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| **SURAJ KUMAR** |
| Bihar, India | [surajkumarsharma62@gmail.com](mailto:surajkumarsharma62@gmail.com) | +91-8210767986 | [Portfolio](https://react-portfolio-phi-taupe-49.vercel.app/) | [GitHub](http://www.github.com/sharma62) | [LinkedIn](https://www.linkedin.com/in/sharma62/)  Education: RGPV Bhopal MP | TIT-E Campus | MCA (Computer Application, Software Engineering) 2022-24 | CGPA: 7.25 |
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| **Software Engineering**, **SOLID principle**, **ACID properties**, **Agile Development**, Oops development, AI (Chat GPT), |
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**Objective**

To secure a challenging position as a **Software Developer**, where I can utilize my technical skills, problem-solving abilities, and passion for innovation to contribute to organizational growth while enhancing my knowledge and expertise in cutting-edge technologies.

**Skills**

* **Technical Skills**: C, C++, **Java**, **Python**, SQL, PHP, **MERN Stack**
* **Database Management**: MySQL
* **Key Strengths**: Data Structures and Algorithms (DSA), Object-Oriented Programming (OOP), Analytical Problem Solving
* **Operation-Relevant Skills**: MS Excel (Advanced), Data Analysis, Process Automation, Regulatory Compliance Knowledge, MS PowerPoint

**Work Experience**

**Guest Faculty | GJ College, Bihta, Patna (Patliputra University)** ([Link](https://drive.google.com/file/d/1ABUK90lw-ie57suTZ9mByBdfWsSaS9lz/view?usp=sharing)) 2023-cont.

* **Role**: **Academic Lecturer** for BCA students (2023 - Present)
* Delivered lectures on computer applications focusing on database management, programming, and analytical problem-solving techniques.
* Guided students on practical applications of technology in projects and development.

**Internship | Global Entrepreneurship Summit (GES), IIT Kharagpur** ([Link](https://drive.google.com/file/d/16QTVgssCKPxn9dpLuBDLdck9hd0Axopi/view)) Feb-2018

* **Role**: **Learner** and **Collaborator**
* Participated in project **planning** and **funding** workshops, honing **organizational and leadership** skills.
* Suggested innovative solutions in collaborative settings, enhancing **decision-making** capabilities applicable to company operations.

**Projects**

**Project 1: Real-time Tracking System** (Link)

**Description**: This project is a **real-time location** tracker using Node.js, Express, Socket.io, and Leaflet.js. It allows users to share their geolocation in real time and view others' locations on the map.

* **Key Components**:
  1. **Server (app.js)**
     + Set up an **HTTP** server with **socket.io**
     + **Listen** to send-location **events** from clients **and broadcast** receive-location **events**.
     + Handle user disconnection.
  2. **Client (Index.ejs)** 
     + Connect to the server using Scoket.io.
     + Use the **Geolocation API** to watch the user position and emit a send-location event.
     + Update the map with receive locations using leaflet.js
* **Technology Stack**: Node.js, Express, Socket.io, Leaflet.js
* **Relevance**: Real-time Process management can be crucial, and applicable in banking operations.

**Project 2: Centralized Management System for School** [(Link)](https://blacksnwhite.com/iips/iips_school/)

* **Description**: Developed a web application for school management to handle tasks like admissions, teacher records, and notices.
* **Key Features**:
  1. **Admin Panel** for **centralized** control.
  2. **Real-time CRUD** operations with secure **user authentication.**
* **Technology Stack**: PHP, MySQL, Bootstrap.
* **Relevance**: Demonstrates expertise in creating **scalable systems** for efficient data management that apply to banking operations.

**Project 3: API-based Pokémon Data Viewer** [(Link)](https://main--stupendous-dasik-cde05e.netlify.app/)

* **Description**: Built an interactive web application to fetch and display Pokémon data using APIs.
* **Key Features**:
  + Responsive design with dynamic card interactions.
  + Seamless API integration for real-time data fetching.
* **Technology Stack**: React.js, Bootstrap, Netlify Cloud.
* **Relevance**: Showcases ability to integrate APIs and design user-friendly interfaces that are transferable to banking dashboards.

**Achievements**

* **Hacktober-Fest 2023 Winner**: Contributed to open-source projects, solving critical issues and ensuring GitHub [pull requests](https://docs.google.com/document/d/191WGY2KPHFSjHsrzNe8cmZ21IrQ_7VC1Ix8bk4qe-cI/edit?tab=t.0) were merged successfully.
* **Contributor**: **Supported IT** education and coding resources through [ComCommunityRoom.org](https://www.comcommunityroom.org/), promoting community empowerment via technology.

**Positions of Responsibilities**

* **Coordinator | Gyan Bhawna Patna Dairy Project (2019)** 
  + Assigned team tasks and served as the **group representative**, ensuring timely project completion and efficient **collaboration**.

Place: Bihta

